



Project: Alaska Copper Works

Inspection Date: 4/17/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm)	Influent	<u>93</u>	Effluent	<u>120</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>12</u>	Effluent	<u>8</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>8</u>	
Carbon Filter Pressures (Lead)	Influent	<u>8</u>	Effluent	<u>5</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>4</u>	Effluent	<u>1</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	In-line probe ok



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.01</u>	Turbidity	<u>5.12</u>	NTU
Bag Filter Influent	pH	<u>6.86</u>	Turbidity	<u>5.03</u>	NTU
Bag Filter Effluent	pH	<u>6.61</u>	Turbidity	<u>3.55</u>	NTU
Carbon Filter Influent	pH	<u>6.22</u>	Turbidity	<u>2.27</u>	NTU
Carbon Filter Effluent	pH	<u>6.10</u>	Turbidity	<u>1.90</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

Additional Comments, Recommendations and System Upsets:

David DuBois

Technician

Project Lead Tech

Title

4/17/19

Date

Submit